



2001 Ozone Summary for New Hampshire

- The existing health-based standard for ozone in ambient (outdoor) air is **120 parts per billion for a one-hour average**. An area is “exceeding” the standard if any one-hour average measured during the day at an air monitoring station in the area goes above the standard.
- In 1997, EPA revised the ozone standard to **80 parts per billion for an 8-hour average** to provide increased protection from the harmful health effects of ozone beyond that provided by the one-hour standard. As a result of legal challenges and court responses since the new standard was promulgated, full implementation and enforcement of the 8-hour standard has been delayed, as of summer, 2001.
- Regardless of what standard is in effect, New Hampshire continues to monitor ozone levels in ambient air in order to issue health advisories when necessary and determine compliance with the one-hour and future 8-hour standards.

1-Hour Ozone Exceedances During 2001 (120 ppb standard) – Two Days

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Concord	June 19	129
Nashua	June 19	125
Rye	June 20	149

Maximum 1-Hour Ozone Concentrations

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Manchester	June 19	119
Keene	June 19	114
Rye	June 20	149
Claremont	June 19	101
Nashua	June 19	125
Concord	June 19	129
Portsmouth	not in operation during most of 2001 season	
Rochester	June 19	121
Laconia	June 19	112
Conway	June 19	89
Haverhill	August 16	87
Brentwood	June 19	114

8-Hour Ozone Exceedances During 2001 (>80 ppb standard) – Ten Days

<u>Date</u>	<u>Site(s)</u>	<u>Concentration (ppb)</u>
May 4	Rye	94
June 13	Nashua	90
June 14	Nashua	88
June 15	Rye	90
June 19	Rye	95
	Keene	97
	Manchester	98
	Laconia	101
	Concord	102
	Brentwood	103
	Rochester	104
	Nashua	110
June 20	Laconia	85
	Brentwood	86
	Nashua	92
	Rye	108
July 23	Rye	86
	Nashua	91
July 24	Rye	87
	Brentwood	89
	Nashua	91
August 2	Rye	93
Sept. 8	Nashua	85

Maximum 8-Hour Ozone Concentrations

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Manchester	June 19	98
Keene	June 19	97
Rye	June 20	106
Claremont	June 19	83
Nashua	June 19	110
Concord	June 19	102
Portsmouth	not in operation during most of 2001 season	
Rochester	June 19	104
Laconia	June 19	101
Conway	June 19	77
Haverhill	June 19	82
Brentwood	June 19	103

*Note: All values are unofficial pending full QA/QC evaluation